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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=11; day=24; hr=10; min=49; sec=29; ms=158;]

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Reviewer Comments:

<160> 9

<170> KopatentIn 1.71

The number provided for numeric identifier <160> must match the total number of sequences in the file. There are 11 sequences in this sequence listing but, 9 is given as the total in numeric identifier <160>, "<160> 9." Please make all necessary changes.

<210> 5

<211> 68

<212> PRT

<213> Artificial Sequence

<400> 5

For all sequences using "Artificial sequence", for numeric identifier <213>, a mandatory feature is required to explain the source of the genetic material. The feature consists of <220>, which remains blank, and <223>, which states the source of the genetic material. To explain the source, if the sequence is put together from several organisms, please list those organisms. If the sequence is made in the laboratory, please indicate that the sequence is synthesized. These errors appear in other sequences in the sequence listing. Please make all necessary changes.

Application No: 10593413

Version No: 1.0

Input Set:**Output Set:****Started:** 2008-10-28 16:16:48.335**Finished:** 2008-10-28 16:16:52.980**Elapsed:** 0 hr(s) 0 min(s) 4 sec(s) 645 ms**Total Warnings:** 9**Total Errors:** 34**No. of SeqIDs Defined:** 9**Actual SeqID Count:** 11

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (5)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (8)
E 300	Invalid codon found Gly SEQID (8) POS: 337
E 300	Invalid codon found Gly SEQID (8) POS: 340
E 300	Invalid codon found Ser SEQID (8) POS: 343
E 300	Invalid codon found Ser SEQID (8) POS: 346
E 300	Invalid codon found Ser SEQID (8) POS: 349
E 300	Invalid codon found Gly SEQID (8) POS: 352
E 300	Invalid codon found Thr SEQID (8) POS: 355
E 300	Invalid codon found Val SEQID (8) POS: 358

Input Set:

Output Set:

Started: 2008-10-28 16:16:48.335

Finished: 2008-10-28 16:16:52.980

Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 645 ms

Total Warnings: 9

Total Errors: 34

No. of SeqIDs Defined: 9

Actual SeqID Count: 11

Error code	Error Description
E 300	Invalid codon found Asn SEQID (8) POS: 361
E 300	Invalid codon found Pro SEQID (8) POS: 364
E 300	Invalid codon found Val SEQID (8) POS: 367
E 300	Invalid codon found Pro SEQID (8) POS: 370
E 300	Invalid codon found Thr SEQID (8) POS: 373
E 300	Invalid codon found Thr SEQID (8) POS: 376
E 300	Invalid codon found Ala SEQID (8) POS: 379
E 300	Invalid codon found Ser SEQID (8) POS: 382
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (9)
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
E 323	Invalid/missing amino acid numbering SEQID (10) POS (337)
E 323	Invalid/missing amino acid numbering SEQID (10) POS (343)
E 323	Invalid/missing amino acid numbering SEQID (10) POS (352)
E 323	Invalid/missing amino acid numbering SEQID (10) POS (358)
E 323	Invalid/missing amino acid numbering SEQID (10) POS (367)
E 323	Invalid/missing amino acid numbering SEQID (10) POS (373)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
E 224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (11)

Input Set:

Output Set:

Started: 2008-10-28 16:16:48.335

Finished: 2008-10-28 16:16:52.980

Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 645 ms

Total Warnings: 9

Total Errors: 34

No. of SeqIDs Defined: 9

Actual SeqID Count: 11

Error code	Error Description
E 355	Empty lines found between the amino acid numbering and the
E 321	No. of Bases conflict, this line has no nucleotides SEQID (11)
E 252	Calc# of Seq. differs from actual; 9 seqIds defined; count=11

Sequence Listing

<110> SJ BIOMED INC.

<120> Anti-obese immunogenic hybrid polypeptides and anti-obese vaccine composition comprising the same

<160> 9

<170> Kopatentin 1.71

<210> 1

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> mimetic peptide for apolipoprotein B-100 epitope

<400> 1

Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe

1

5

10

15

<210> 2

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> mimetic peptide for apolipoprotein B-100 epitope

<400> 2

Arg Phe Arg Gly Leu Ile Ser Leu Ser Gln Val Tyr Leu Asp Pro

1

5

10

15

<210> 3

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> mimetic peptide for apolipoprotein B-100 epitope

<400> 3

Ser Val Cys Gly Cys Pro Val Gly His His Asp Val Val Gly Leu

1

5

10

15

<210> 4

<211> 204

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence for terameric mimetic peptide

<220>

<221> CDS

<222> (1)..(204)

<400> 4

gtc gac cgt aat gtt cct cct atc ttc aat gat gtt tat tgg att gca 48
Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala
1 5 10 15

ttc ctc gac cgt aat gtt cct cct atc ttc aat gat gtt tat tgg att 96
Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile
20 25 30

gca ttc ctc gac cgt aat gtt cct cct atc ttc aat gat gtt tat tgg 144
Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
35 40 45

att gca ttc ctc gac cgt aat gtt cct cct atc ttc aat gat gtt tat 192
Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr
50 55 60

tgg att gca ttc 204
Trp Ile Ala Phe
65

<210> 5

<211> 68

<212> PRT

<213> Artificial Sequence

<400> 5

Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala
1 5 10 15

Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile
20 25 30

Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
35 40 45

Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr
50 55 60

Trp Ile Ala Phe
65

<210> 6

<211> 180
<212> DNA
<213> Hepatitis B virus

<220>
<221> CDS
<222> (1)..(177)
<223> Hepatitis B virus preS2

<220>
<221> terminator
<222> (178)..(180)

<400> 6
atg cag tgg aac tcc acc aca ttc cac caa gct ctg cta gat ccc aga 48
Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu Leu Asp Pro Arg
1 5 10 15

gtg agg ggc cta tat ttt cct gct ggt ggc tcc agt tcc gga aca gta 96
Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser Ser Gly Thr Val
20 25 30

aac cct gtt ccg act act gcc tca ccc ata tcg tca atc ttc tcg agg 144
Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser Ser Ile Phe Ser Arg
35 40 45

act ggg gac cct gca ccg aac ctc gag cgg tca taa 180
Thr Gly Asp Pro Ala Pro Asn Leu Glu Arg Ser
50 55

<210> 7
<211> 59
<212> PRT
<213> Hepatitis B virus

<400> 7
Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu Leu Asp Pro Arg

1 5 10 15
Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser Ser Gly Thr Val
20 25 30

Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser Ser Ile Phe Ser Arg
35 40 45

Thr Gly Asp Pro Ala Pro Asn Leu Glu Arg Ser
50 55

<210> 8
<211> 444
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA sequence for hybride polypeptide

<220>

<221> CDS

<222> (1)..(441)

<220>

<221> terminator

<222> (441)..(444)

<400> 8

atg aga gga tcg cat cac cat cac cat cac gga tcc gat gat gat gac 48

Met Arg Gly Ser His His His His His His Gly Ser Asp Asp Asp Asp

1 5 10 15

aag atc gtc gac cgt aat gtt cct cct atc ttc aat gat gtt tat tgg 96

Lys Ile Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp

20 25 30

att gca ttc ctc gac cgt aat gtt cct cct atc ttc aat gat gtt tat 144

Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr

35 40 45

tgg att gca ttc ctc gac cgt aat gtt cct cct atc ttc aat gat gtt 192

Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val

50 55 60

tat tgg att gca ttc ctc gac cgt aat gtt cct cct atc ttc aat gat 240

Tyr Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp

65 70 75 80

gtt tat tgg att gca ttc ctc gac atg cag tgg aac tcc acc aca ttc 288

Val Tyr Trp Ile Ala Phe Leu Asp Met Gln Trp Asn Ser Thr Thr Phe

85 90 95

cac caa gct ctg cta gat ccc aga gtg agg ggc cta tat ttt cct gct 336

His Gln Ala Leu Leu Asp Pro Arg Val Arg Gly Leu Tyr Phe Pro Ala

100 105 110

ggc ggc tcc agt tcc gga aca gta aac cct gtt ccg act act gcc tca 384

Gly Gly Ser Ser Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala Ser

115 120 125

ccc ata tcg tca atc ttc tcg agg act ggg gac cct gca ccg aac ctc 432

Pro Ile Ser Ser Ile Phe Ser Arg Thr Gly Asp Pro Ala Pro Asn Leu

130 135 140

gag cgg tca taa 444

Glu Arg Ser

145

<210> 9

<211> 147

<212> PRT
 <213> Artificial Sequence

<400> 9
 Met Arg Gly Ser His His His His His His Gly Ser Asp Asp Asp Asp
 1 5 10 15

Lys Ile Val Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp
 20 25 30

Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr
 35 40 45

Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp Val
 50 55 60

Tyr Trp Ile Ala Phe Leu Asp Arg Asn Val Pro Pro Ile Phe Asn Asp
 65 70 75 80

Val Tyr Trp Ile Ala Phe Leu Asp Met Gln Trp Asn Ser Thr Thr Phe
 85 90 95

His Gln Ala Leu Leu Asp Pro Arg Val Arg Gly Leu Tyr Phe Pro Ala
 100 105 110

Gly Gly Ser Ser Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala Ser
 115 120 125

Pro Ile Ser Ser Ile Phe Ser Arg Thr Gly Asp Pro Ala Pro Asn Leu
 130 135 140

Glu Arg Ser
 145

<210> 10
 <211> 432
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> DNA sequence for PTB14

<220>
 <221> CDS
 <222> (1)..(429)

<400> 10
 atg aga gga tgg cat cac cat cac gga tcc gat gat gat gac 48
 Met Arg Gly Ser His His His His His Gly Ser Asp Asp Asp Asp
 1 5 10 15

aag atc gtc gac atg cag tgg aac tcc acc aca ttc cac caa gct ctg 96
 Lys Ile Val Asp Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu

20

25

30

cta gat ccc aga gtg agg ggc cta tat ttt cct gct ggt ggc tcc agt 144
 Leu Asp Pro Arg Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser
 35 40 45

tcc gga aca gta aac cct gtt ccg act act gcc tca ccc ata tcg tca 192
 Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser Ser
 50 55 60

atc ttc tcg aag act ggg gac cct gca ccg aac ctc gac cgt aat gtt 240
 Ile Phe Ser Lys Thr Gly Asp Pro Ala Pro Asn Leu Asp Arg Asn Val
 65 70 75 80

cct cct atc ttc aat gat gtt tat tgg att gca ttc ctc gac cgt aat 288
 Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp Arg Asn
 85 90 95

gtt cct cct atc ttc aat gat gtt tat tgg att gca ttc ctc gac cgt 336
 Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp Arg
 100 105 110

aat gtt cct cct atc ttc aat gat gtt tat tgg att gca ttc ctc gac 384
 Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp
 115 120 125

cgt aat gtt cct cct atc ttc aat gat gtt tat tgg att gca ttc t 430
 Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe
 130 135 140

aa 432

<210> 11

<211> 143

<212> PRT

<213> Artificial Sequence

<400> 11

Met Arg Gly Ser His His His His His His Gly Ser Asp Asp Asp Asp
 1 5 10 15

Lys Ile Val Asp Met Gln Trp Asn Ser Thr Thr Phe His Gln Ala Leu
 20 25 30

Leu Asp Pro Arg Val Arg Gly Leu Tyr Phe Pro Ala Gly Gly Ser Ser
 35 40 45

Ser Gly Thr Val Asn Pro Val Pro Thr Thr Ala Ser Pro Ile Ser Ser
 50 55 60

Ile Phe Ser Lys Thr Gly Asp Pro Ala Pro Asn Leu Asp Arg Asn Val
 65 70 75 80

Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp Arg Asn

85

90

95

Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp Arg

100

105

110

Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe Leu Asp

115

120

125

Arg Asn Val Pro Pro Ile Phe Asn Asp Val Tyr Trp Ile Ala Phe

130

135

140